



461242



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

OH 0400682109
OHID980423347

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site)

Philo Plant *

02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER

(UNKNOWN) (NOT IN STATE FILES NOIC AVAILABLE from COMPANY)

03 CITY

Philo

04 STATE

05 ZIP CODE

06 COUNTY

07 COUNTY CODE

08 CONG DIST

OH

43771

Muskingum

119

10

09 COORDINATES LATITUDE

39° 51' 20"

LONGITUDE

81° 54' 10"

Philo, OH Quad

10 DIRECTIONS TO SITE (Starting from nearest public road)

SR. 60 So of ZANESVILLE (approx 7 miles) ADJACENT TO MUSKINGUM RIVER
At Philo Ohio

III. RESPONSIBLE PARTIES

01 OWNER (if known)

ATTN: JIM LUDWIG,
ENVIRONMENTAL

02 STREET (Business, mailing, residential)

301 Cleveland Ave S.W. (P.O. Box 400)

03 CITY

Canton

04 STATE

05 ZIP CODE

06 TELEPHONE NUMBER

OH

44701

(216) 456-8173

07 OPERATOR (if known and different from owner)

08 STREET (Business, mailing, residential)

09 CITY

10 STATE

11 ZIP CODE

12 TELEPHONE NUMBER

()

13 TYPE OF OWNERSHIP (Check one)

☒ A. PRIVATE ☐ B. FEDERAL:

(Agency name)

☐ C. STATE☐ D. COUNTY☐ E. MUNICIPAL☐ F. OTHER:

(Specify)

☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED:

MONTH DAY YEAR

☐ B. UNCONTROLLED WASTE SITE (RCRA 103 c) DATE RECEIVED:

MONTH DAY YEAR

☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION

☒ YES DATE 5, 81
MONTH DAY YEAR☐ NO

BY (Check all that apply)

☒ A. EPA☐ B. EPA CONTRACTOR☐ C. STATE☐ D. OTHER CONTRACTOR☐ E. LOCAL HEALTH OFFICIAL☐ F. OTHER:

(Specify)

CONTRACTOR NAME(S):

02 SITE STATUS (Check one)

☐ A. ACTIVE☒ B. INACTIVE☐ C. UNKNOWN

03 YEARS OF OPERATION

1924

1980

BEGINNING YEAR

ENDING YEAR

☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Bottom Ash and Fly Ash from coal fired boilers.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Potential for ground water contamination and surface water contamination due to leaching of heavy metals from ash.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)

☐ A. HIGH

(Inspection required promptly)

☐ B. MEDIUM

(Inspection required)

☒ C. LOW

(Inspect on time available basis)

☐ D. NONE

(No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT

Lori Marsh

02 OF (Agency/ Organization)

Ohio EPA SEDU

03 TELEPHONE NUMBER

(614) 385-8501

04 PERSON RESPONSIBLE FOR ASSESSMENT

Lori Marsh

05 AGENCY

OEPA

06 ORGANIZATION

DSHWM

07 TELEPHONE NUMBER

(614) 385-8501

08 DATE

9, 23, 87
MONTH DAY YEAR

* PLANT Buildings demolished in 1985, currently only A substation at the site



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE: OH 02 SITE NUMBER: D980423347
D980423347

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 1050

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Potential exists for leaching from Ash to ground water. ~~Site is adjacent to Muskr Philo wellfield~~ is $\approx 3/4$ mi. down stream. (Plant ~~closed operations in 1980~~)

01 ☒ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Potential exists for leachate to enter Muskingum River. Site is adjacent to River.

01 ☐ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☒ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: 16.6 (ACRES)

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Potential for contamination of soil in direct contact with Ash, also soils in contact with leachate.

01 ☐ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 1050

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Philo well field which supplies ≈ 1050 pop. is $3/4$ mi. down stream. Contaminants could migrate into well field.

01 ☐ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED



POTENTIAL HAZARDOUS WASTE SITE
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PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

OH D980423347

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include names of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES

(Spills/runoff/standing liquids/leaking drums)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

Geology is such that potential for leaching to ground water is high.

V. SOURCES OF INFORMATION (Cite specific references, e. g., State Reg., Lab. analysis, reports)

Ohio EPA SED O DWPC (IWW) Files

Information
Available

Major Data Elements

Yes : No

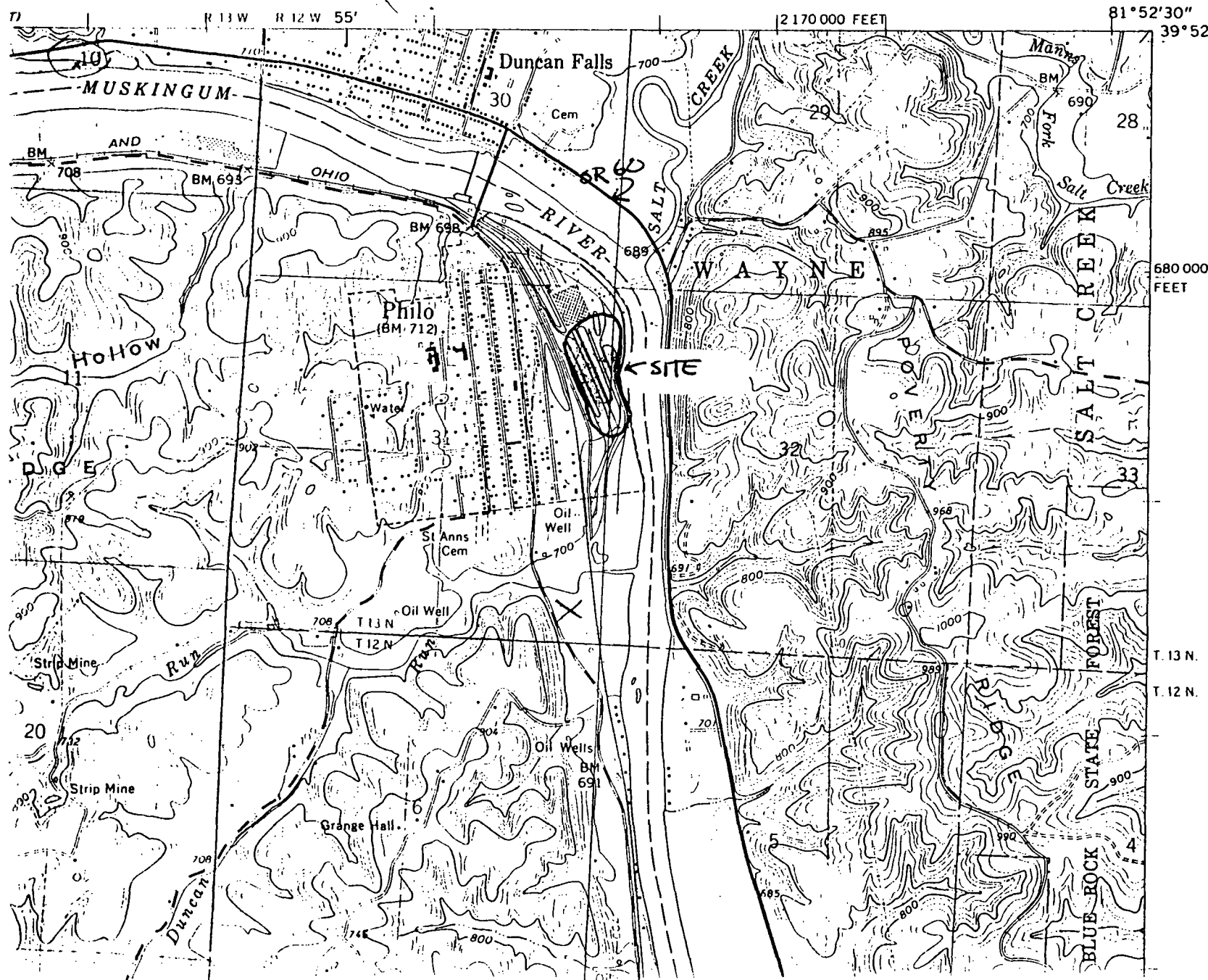
Major Source (Ohio EPA Divisions, other agencies, reports/documents)

Owner/Operator InformationOwner : ☒ : : Ohio EPA SEDO IWW FilesOperator : ☒ : : "Other Responsible or
Affected Parties : : :
: : :
: : :Waste InformationWaste States : ☒ : : Ohio EPA SEDO IWW FilesWaste Quantity at Site : : ☒ :
↑Waste Characterization : ☒ : :
↓Waste Type : ☒ : :
↓Hazardous Substances : : :
↓Hazardous Conditions InformationOn-Site Inspection : ☒ : : Ohio EPA SEDO IWW FilesGround Water : : ☒ :Surface Water : : ☒ :Air : : ☒ : DoneFire/Explosion : : ☒ :Direct Contact : : ☒ :Soil : : ☒ :Drinking Water : : ☒ :Sludge/Residue/Chain : : ☒ :

110
3HWAYS
L RESOURCES
AL SURVEY

PHILO QUADRANGLE
OHIO
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 PHILO 15' QUADRANGLE

NORWICH



Preliminary Assessment Narrative

Date: September 23, 1987

Company: Ohio Power Company
Philo Plant
Philo, OH. 43771

I.D. #: OHD980423347

The Philo Plant, a coal fired steam electrical power generator, was owned and operated from 1924 until closing in 1980 by the Ohio Power Company. The plant consisted of 6 generating units with capacities ranging from 33 to 100 MW.

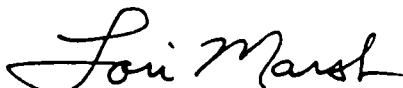
Two lagoons adjacent to the plant were utilized for bottom ash and fly ash disposal. The areas of these lagoons were reported as 3.6 and 3.0 ac, respectively. Effluent from the lagoons, discharged into the Muskingum River, was regulated by a NPDES permit.

The Philo plant was located adjacent to the Muskingum River in Philo, OH. The area geology consists of valley fill deposits of stratified layers of sand and gravel. There is clay in some of the layers. The bedrock consists of clay and shale at approximately 60 ft with the water table at approximately 30 ft. The bottom ash and fly ash pits were unlined; the potential for ground water pollution from heavy metals contained in the ash is high.

Drinking water is supplied to the residents of Philo (pop. 1050) via a well field which is located approximately 3/4 of a mile downstream of the site. There is potential for contaminants to reach the well field.

Low FIT priority is requested. Priority at the state level is classified as medium to low.

Submitted by:



Lori Marsh
September 23, 1987

Reviewed by:



Stephan L. Hamlin, P.E.
Unit Supervisor
DSHWM, SEDO